

HR **TEXTRON**

INTEROFFICE COMMUNICATION

51 AUG 90
QUALITY CONTROL
LOS ANGELES

SFUND RECORDS CTR

2166-04730

TO: John Hedges
FROM: M.L. Ameal *MLA*
DATE: June 24, 1991
SUBJECT: Response to EPA Letter Dated
10 May 1991 (Question #7, Page 9)
REFERENCE: IOC Dated June 4, 1991, M.L. Ameal to John Hedges

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Question: Provide all existing technical or analytical information about the facility, including but not limited to, data and documents related to soil, water (ground and surface), geology, hydrogeology, or air quality on and about the facility?

Answer: The attached chronological listing of events represents what is being provided in answer to the above question. All associated documents are bound by year using the identification of Pacoima Remediation Project.

In addition, the following information is provided:

Exhibit A - Air
Exhibit B - Water
Exhibit C - Settled Water Sample
Exhibit D - Textron Environmental Self Survey
Exhibit E - Training

MLA:sj

cc: M. Bell
B. Moses
R. Pascoe
J. Wheeler

AL20078

PACOIMA REMEDIATION
Chronological List of Events

<u>DATE</u>	<u>EVENT</u>	<u>ASSOCIATED DOCUMENTS</u>	<u>COMMENTS</u>
Sep 14 1983	Submitted Underground Tank Investigation Forms to RWQCB.	RWQCB letter dated Aug. 26, 1983. Underground Tank Investigation Forms by HR Textron dated Sept. 14, 1983.	In answer to an August 26, 1983 request by RWQCB.
Apr 2 1984	Submitted Leak Detection Plan to RWQCB. (Earth Technology)	RWQCB letter dated January 31, 1984. Work Plan by Earth Technology dated April 2, 1984. RWQCB letter of approval dated May 4, 1984.	To determine integrity of the underground tanks at the Pacoima Facility.
May 30 1984	Preliminary Site Investigation to evaluate the integrity of the Underground Tanks. Three Borings: (Earth Technology) Tank Site #1 - B-1 B-2 Tank Site #2 - B-3	Results of Underground Leak Detection by Earth Technology dated July 27, 1984	No contamination detected in composite samples analyzed from Borings B-1 and B-2. The presence of oil and grease and volatile organics were detected in the composite samples from Boring B-3.

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Jan 29 1985	Two 1,000 gallon underground storage tanks were removed from Tank Site #2.	HR Textron letter to RWQCB dated September 27, 1984.	No leaks were found, release was determined to be from overflow.
Jan 30 1985	Two soil samples were collected at depths of 8' below ground surface and analyzed for TPH, oil & grease, & volatile organics.	Leighton & Assoc. Report dated March 6, 1985.	Found elevated levels of TPH, oil and grease, and volatile organics.
Jan 31 1985	A third soil sample was collected and analyzed at 12' below ground surface.	SEE MARCH 6 REPORT	Found elevated levels of TPH, oil and grease, and volatile organics.
May 6 1985	Additional soil was excavated to 12' and samples collected and analyzed for oil and grease and volatile organics.	SEE MARCH 6 REPORT	Oil and grease concentrations ranged from 9,900 to 19,000 mg/kg.
July 30 1985	Two Soil Borings were drilled adjacent to Tank Site #2.	Leighton & Assoc. Report dated July 30, 1985.	LB-1 Findings: Elevated levels of TPH & oil & grease were detected at depths between 20 to 40 feet. LB-2 Findings: Low levels of TPH & oil & grease were detected at 10'.
	Borings: (Leighton) LB-1 Angle, Depth = 55' LB-2 Straight, Depth = 50'		Conclusion: Vertical extent of contamination was found to be 40-50 feet. Lateral extent of contamination was found to be limited to the tank excavation area.

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Dec 16 1985	Performed Petro-Tite Tightness Test on Underground Tank at Tank Site #1.	H.D. Howard Inc. Report dated December 27, 1985.	Tested OK.
Feb 28 1986	Submitted Work Plan for Site Assessment and Remedial Investigation.	Enviropro Work Plan dated February 28, 1986.	
May 16 1986	Two Soil Borings were drilled on the adjacent property south east of Tank Site #2 and soil samples analyzed for TPH and oil and grease.	HR letter to RWQCB dated February 5, 1987 - Boring Logs.	Levels of TPH and oil and grease concentrations ranged from 14 to 37 mg/kg.
	Borings: (Enviropro) TH-1 Depth = 40' TH-2 Depth = 120'	HR Textron letter to RWQCB dated November 14, 1986- Test Results.	Exceptions: LB-2 @ 95' = 120 mg/kg @ 120' = 56 mg/kg These exceptions were determined to be background levels.
Jun 24 1986	Installed a Leak Alert System at Tank Site #1.	Receipt and Application for Permit dated June 24, 1986.	
Apr 10 1987	Submitted Chemical Storage Questionnaire.	HR Textron letter to RWQCB dated April 10, 1987 - Chemical Storage Questionnaire.	

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May 5 1987	Submitted Work Plan for Phase II - Evaluation of Horizontal Extent of Contamination.	Leighton & Assoc. Work Plan dated May 5, 1987. RWQCB letter dated August 27, 1987.	
Oct 30 1987	Submitted Revised Work Plan for Phase II - Evaluation of Horizontal and Vertical Extent of Contamination.	Leighton & Assoc. Revised Work Plan dated October 30, 1987.	
Dec 22 1987	14 soil samples were collected at 3 locations at and up to two feet below the base of the 12-foot excavation. The samples were analyzed for an EPA-Priority Pollutant Scan plus MBAS/Phosphate to determine the presence of contaminants.		
Dec 23 1987	Started Phase II	Leighton & Assoc. Regulatory Structure Report dated 2/3/88. Leighton & Assoc. Rules & Regulations dated 2/3/88. Leighton & Assoc. Progress Report #1 for Phase II dated 2/8/88.	

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Sep 13 1988	Collection of soil samples at various depths in seven borings to assess the horizontal and vertical extent of the contamination zone above the 55 ± foot level.	Leighton & Assoc. Revision #2 of Site Safety Plan, September 9, 1988.	
	Borings: LB-100 Depth 101.5' LB-101 Depth 110.5' LB-102 Depth 85.5' LB-102A Depth 120.0' LB-103 Depth 68.0' LB-103A Depth 68.0' *LB-104 Depth 110.0'	Leighton & Assoc. Executive Summary Phase II November 23, 1988.	
		Leighton & Assoc. Pacoima Site December 5, 1988.	
	*Background boring located approximately 400 feet north-east of former Tank Site #2.	Leighton & Assoc. Executive Summary Phase II December 15, 1988.	
Feb 15 1989	Submitted Progress Report to RWQCB	Leighton & Assoc. Progress Report #3 for Phase II dated 2/5/89.	
		RWQCB letter to HR Textron dated April 5, 1989.	Leighton and Associates Report dated 2/15/89 - directed HR Textron to submit a Work Plan for investigation of groundwater quality.
May 19 1989	Submitted Work Plan for Phase III Subsurface Contamination Investigation.	Leighton & Assoc. Work Plan dated May 19, 1989.	

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May 19 1989	Submitted Work Plan for Phase III Subsurface Contamination Investigation. (continued)	HR Textron letter to RWQCB dated June 15, 1989.	Requested approval of Work Plan dated 5/19/89.
		Leighton & Assoc. Search of City & County Records for Geotechnical Foundation and Grading Reports dated July 6, 1989.	
		RWQCB letter to HR Textron dated August 16, 1989.	Reference HR Textron letter dated 6/15/89. No approval of Work Plan for Phase III because it does not include groundwater investigation.
			Acknowledgement of request to meet on 8/29/89 to clarify several technical and administrative issues.
		RWQCB letter to HR Textron dated November 17, 1989	Because of refusal to submit a groundwater monitoring plan, a Cleanup and Abatement Order will be issued.
Dec 18 1989	CAO issued to HR Textron, Pacoima Facility	RWQCB letter to HR Textron dated December 18, 1989.	
		RWQCB letter to HR Textron dated January 25, 1990.	

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Dec 18 1989	CAO issued to HR Textron, Pacoima Facility. (continued)	HR Textron letter to RWQCB dated February 2, 1990.	
Feb 14 1990	RWQCB visited Pacoima Facility.	IOC dated February 14, 1990.	
March 1990	Technical Evaluation by ERM-West, Inc.	ERM-West, Inc. Report dated March 1990.	Response to RWQCB.
Apr 3 1990	Submitted a Remedial Action Plan to RWQCB.	ERM-West, Inc. Plan dated April 3, 1990.	
		RWQCB letter dated April 19, 1990.	Request for a Revised RAP.
		ERM-West, Inc. Revised RAP dated May 21, 1990.	
		RWQCB letter dated June 11, 1990.	RWQCB made comments required to be part of the RAP.
		HR Textron letter to RWQCB dated July 16, 1990	Response to RWQCB letter dated June 11, 1990.

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Apr 3 1990	Submitted a Remedial Action Plan to RWQCB. (continued)	RWQCB letter dated August 4, 1990.	Reference HR Textron letter of July 16, 1990.
		RWQCB letter dated Sept. 20, 1990.	Comments on Revised RAP. Response to HR Textron letter dated July 16, 1990.
		RWQCB letter dated August 14, 1990.	
		ERM-West, Inc. Technical Evaluation dated October 1990.	Addresses issues in RWQCBs letter dated August 31, 1990.
April 22-28 1990	Installed one extraction and two injection wells.	ERM-West Progress Report dated May 31, 1990. Appendix A - Boring Logs	
May 1990	Submitted a Site Characterization Work Plan.	ERM-West, Inc. Work Plan dated May 1990.	
		RWQCB letter dated July 24, 1990.	A review of the May 1990 Work Plan and request for additional information.
Sept 1990	Submitted a Supplemental Work Plan.	ERM-West, Inc. Work Plan dated September 1990.	In response to RWQCBs letters dated June 11, July 14, and August 14, 1990.

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Sep 28 1990	Meeting with RWQCB.	HR Textron letter to RWQCB dated October 16, 1990.	
1991	Correspondence.	HR Textron letter to RWQCB dated January 10, 1991.	Cleanup levels.
		RWQCB letter dated March 5, 1991.	Asking for a Revised Site Audit.
		RWQCB letter dated March 6, 1991.	Asking for a "complete" RAP.
		HR Textron letter dated April 4, 1991.	Facility Audit.
		HR Textron letter dated April 4, 1991.	RAP
		HR Textron letter dated April 8, 1991.	Requesting information.
Mar 5 1991	Started Soil Vapor Extraction.		
	Submitted a Closure Confirmation Work Plan.	ERM-West, Inc. Work Plan dated *****	